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Reply to Office Action of August 5, 2009

Atty Dkt No. ZAO 0101 PUSA

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (canceled)

2. (previously presented) A device of claim 9, wherein additional attachments enabling coarse individual fitting of the breast and pelvis pads around the user are pleats made on the side of the pads corresponding to the back and side surfaces of the trunk and fitted with n zip fasteners (n being not less than 2), which provide, when locked, obtaining n+1 standard sizes of the pads.

3. (canceled)

4. (previously presented) A device of claim 9, wherein tight fitting of pad around the limb near the knee joint is provided using of stretch-proof adjusting bands, which are rigidly attached to the entire front surface and whose free ends are provided with self-locking fabric fasteners.

5. (previously presented) A device of claim 9, wherein each loading element is provided with a dynamometric tape to check the pulling force.

6. (previously presented) A device of claim 9, wherein all the pads carry hinges to attach the loading elements.

7. (currently amended) A device of claim 9, wherein the hinges for attachment of the tensioning elements are arranged on two loop bands wherein one of these has the hinges facing up and the other of these - down.

8. (canceled)

9. (currently amended) A device for forced change of a user's posture and producing an increased load on the locomotor apparatus, the device comprising:

a pair of shoulder pads, a pelvic pad, a pair of knee pads and a pair of foot pads all interconnected by a plurality of loading elements;

a breast pad arranged on the thoracic part of the trunk and connected to the shoulder pads by use of self-locking buckles, forming a vest tightly fitting on the user's body, wherein each loading element is an inextensible adjusting band and elastic tie without residual deformation attached to the band, the tie having an initial length, which, if it is extended, creates a force of at least 4 kg, and where the ratio between the lengths of the adjusting band and elastic tie of each loading element being selected such that the maximum elongation of the elastic tie is at least 50 % of the initial length;

wherein both the breast and pelvis pads have sewed-in load-bearing bands with buckles for interlocking of the breast pad to the pelvis pad, the pads designed so that they can be individually fitted on the user's body using of additional attachments, the adjusting bands of the loading elements rigidly attached to the front, side and rear surfaces of the breast and pelvis pads and the ends of the adjusting bands are provided with buckles and hooks;

wherein the device is additionally provided with three belts, each belt having two self-tightening locks designed to enable locating the first belt of these belts along the edges of the costal arch, the second belt on the waist and the third belt on the user's huckle-bones, each belt also having a fabric fastener on the interior surface of that part of the belt, which is arranged on the back surface of the user's body, the mating parts of the fastener located on the breast and pelvis pads; [[and]]

wherein the pair of knee pads are bandages that can tightly fit around a knee joint, an upper quarter of the shin-bone and a lower quarter of the hip, each knee pad having hinges arranged on the bandage in the plane of the knee joint to accommodate the adjusting band, and where the foot pads are in the form of shoes and a plurality of hinges extend from the shoes, the hinges being capable of attaching to the elastic ties, and the step between the hinges on one side of the shoe is less than 10 % of the shoe sole length; and

wherein additional attachments enabling fine individual fitting of the breast and pelvis pads of the device on the user are designed as a lacing arranged on the front and back surfaces of the pads.

10. (previously presented) The device of claim 9 wherein the shoe is provided with a fabric strip on the perimeter, the fabric strip carrying the shoe hinges which attach to the elastic ties.

11. (previously presented) The device of claim 9 wherein the shoe is a flexible fabric plate capable of embracing the entire sole of the user, the fabric plate carrying the hinges which attach to the elastic ties.

12. (currently amended) A device for forced change of a user's posture and producing an increased load on the locomotor apparatus, the device comprising:

a pair of shoulder pads, a pelvic pad, a pair of knee pads and a pair of foot pads all interconnected by a plurality of loading elements;

a breast pad arranged on the thoracic part of the trunk and connected to the shoulder pads by use of self-locking buckles, forming a vest tightly fitting on the user's body, wherein each loading element is an inextensible adjusting band and elastic tie without residual deformation attached to the band, the tie having an initial length, which, if it is extended, creates a force of at least 4 kg, and where the ratio between the lengths of the adjusting band and elastic tie of each loading element being selected such that the maximum elongation of the elastic tie is at least 50 % of the initial length;

wherein both the breast and pelvis pads have sewed-in load-bearing bands with buckles for interlocking of the breast pad to the pelvis pad, the pads designed so that they can be individually fitted on the user's body using of additional attachments, the adjusting bands of the loading elements rigidly attached to the front, side and rear surfaces of the breast and pelvis pads and the ends of the adjusting bands are provided with buckles and hooks;

wherein a coarse individual fitting of the breast and pelvis pads around the user can be made through a series of pleats made on the side of both of the pads corresponding to the back and side surfaces of the trunk of the user, the pleats fitted with n zip fasteners (n being not less than 2), which provide $n+1$ standard sizes of the breast and pelvis pad;

wherein the device is additionally provided with three belts, each belt having two self-tightening locks designed to enable locating the first belt of these belts along the edges of the costal arch, the second belt on the waist and the third belt on the user's huckle-bones, each

belt also having a fabric fastener on the interior surface of that part of the belt, which is arranged on the back surface of the user's body, the mating parts of the fastener located on the breast and pelvis pads; [[and]]

wherein the pair of knee pads are bandages that can tightly fit around a knee joint, an upper quarter of the shin-bone and a lower quarter of the hip, each knee pad having hinges arranged on the bandage in the plane of the knee joint to accommodate the adjusting band, and where the foot pads are in the form of shoes to accommodate the elastic ties; and

wherein each loading element is provided with a dynamometric tape to check the pulling force.

13. (previously presented) The device of claim 12 wherein the shoes further comprise a plurality of hinges extending from each shoe, the hinges being capable of attaching to the elastic ties, and the step between the hinges on one side of the shoe is less than 10% of the shoe sole length.

14. (previously presented) The device of claim 12, wherein additional attachments enabling fine individual fitting of the breast and pelvis pads of the device on the user are designed as a lacing arranged on the front and back surfaces of the pads.

15. (canceled)

16. (canceled)